

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10590079"	US-PGPUB; USPAT	OR	OFF	2009/05/06 15:29
S2	84	((TAKASHI) near2 (GOTO)).INV.	US-PGPUB; USPAT	OR	OFF	2009/05/06 15:30
S3	8	((TEIICHI) near2 (KIMURA)).INV.	US-PGPUB; USPAT	OR	OFF	2009/05/06 15:30
S4	97	((HAJIME) near2 (SUZUKI)).INV.	US-PGPUB; USPAT	OR	OFF	2009/05/06 15:30
S5	4	((KEIICHIRO) near2 (JINUSHI)).INV.	US-PGPUB; USPAT	OR	OFF	2009/05/06 15:30
S6	13699	"solid electrolyte"	US-PGPUB; USPAT	OR	OFF	2009/05/06 15:46
S7	1879	"solid electrolyte" and ruthenium	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:00
S8	1631	"solid electrolyte" and ruthenium and carbon	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:01
S9	727	"solid electrolyte" and ruthenium same carbon	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:01
S10	1	"solid electrolyte" and ruthenium same carbon and "interfacial electrical conductivity"	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:02
S11	7	"interfacial electrical conductivity"	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:02
S12	2131	"specific conductivity"	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:06
S13	452	"specific conductivity" and S\$1m	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:06
S14	217	"specific conductivity" and S\$1m and electrolyte	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:06
S15	70	"specific conductivity" and S\$1m and "solid electrolyte"	US-PGPUB; USPAT	OR	OFF	2009/05/06 16:08
S16	0	(2004/0018416).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/05/07 08:59
S17	1	("20040018416").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/07 08:59
S18	2	((("20040018416") or ("6471745"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/05/07 09:00

S19	504	carbon same ((ruthenium or Ru) with (nanometers or nm))	US-PGPUB; USPAT	OR	OFF	2009/05/07 09:34
S20	2463	(ruthenium or Ru) and "solid electrolyte"	US-PGPUB; USPAT	OR	OFF	2009/05/07 10:28
S21	2113	(ruthenium or Ru) and "solid electrolyte" and carbon	US-PGPUB; USPAT	OR	OFF	2009/05/07 10:28
S22	928	((ruthenium or Ru) same carbon) and "solid electrolyte"	US-PGPUB; USPAT	OR	OFF	2009/05/07 10:28
S23	111	((ruthenium or Ru) same carbon) same "solid electrolyte"	US-PGPUB; USPAT	OR	OFF	2009/05/07 10:29
S24	103	((ruthenium or Ru) same carbon) and "solid electrolyte" and "204". clas.	US-PGPUB; USPAT	OR	OFF	2009/05/07 10:30
S25	133	((ruthenium or Ru) same carbon) and "solid electrolyte" and ("204". clas. or "205". clas.)	US-PGPUB; USPAT	OR	OFF	2009/05/07 10:30
S26	0	((Futagawa) near2 (masatoshi)).INV.	US-PGPUB; USPAT	OR	OFF	2009/05/07 11:17
S27	12	((so) near2 (SUZUKI)). INV.	US-PGPUB; USPAT	OR	OFF	2009/05/07 11:18
S28	11	((yamada) near2 (michio)).INV.	US-PGPUB; USPAT	OR	OFF	2009/05/07 11:19
S29	42	((ruthenium or Ru) same carbon) and "solid electrolyte" and "gas sensor"	US-PGPUB; USPAT	OR	OFF	2009/05/07 11:21
S30	2650	(ruthenium or Ru) and mocvd	US-PGPUB; USPAT	OR	OFF	2009/05/07 13:18
S31	2650	(ruthenium or Ru or "ruthenium oxide") and mocvd	US-PGPUB; USPAT	OR	OFF	2009/05/07 13:19
S32	2650	(ruthenium or Ru) and mocvd	US-PGPUB; USPAT	OR	OFF	2009/05/07 13:19
S33	2232	(ruthenium or Ru) and mocvd and electrode	US-PGPUB; USPAT	OR	OFF	2009/05/07 13:19
S34	721	(ruthenium or Ru) and mocvd and electrode and carbon	US-PGPUB; USPAT	OR	OFF	2009/05/07 13:20
S35	82	(ruthenium or Ru) and mocvd and electrode and carbon with amorphous	US-PGPUB; USPAT	OR	OFF	2009/05/07 13:20

S36	82	(ruthenium or Ru) and mocvd and electrode and (carbon with amorphous)	US-PGPUB; USPAT	OR	OFF	2009/05/07 13:20
S37	1072	204/424.ccls.	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:31
S38	433	204/424.ccls. and carbon	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:31
S39	101	204/424.ccls. and carbon and (ruthenium or ru)	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:32
S40	66	204/424.ccls. and (carbon and (ruthenium or ru) same electrode)	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:40
S41	14	204/424.ccls. and (carbon same (ruthenium or ru) same electrode)	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:40
S42	18101	(ruthenium or ru) same (Ir or iridium) and electrode	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:45
S43	6938	(ruthenium or ru) same (Ir or iridium) same electrode	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:45
S44	6103	(ruthenium or ru) same (Ir or iridium) same electrode and oxide	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:45
S45	3196	(ruthenium or ru) same (Ir or iridium) same electrode same oxide	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:46
S46	50	(ruthenium or ru) same (Ir or iridium) same electrode same oxide and "gas sensor"	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:46
S47	50	((ruthenium or ru) same (Ir or iridium) same electrode same oxide) and "gas sensor"	US-PGPUB; USPAT	OR	OFF	2009/05/07 17:46
S48	9	"6515845"	US-PGPUB; USPAT	OR	OFF	2009/05/08 10:46
S49	4127	"particle diameter" and ruthenium	US-PGPUB; USPAT	OR	OFF	2009/05/08 14:07
S50	38	"particle diameter" and ruthenium and MOCVD	US-PGPUB; USPAT	OR	OFF	2009/05/08 14:07
S51	2	"particle diameter" with ruthenium and MOCVD	US-PGPUB; USPAT	OR	OFF	2009/05/08 14:09

S52	124	(ruthenium or Ru) near5 (nanoparticle or nano\$1particle or nanoparticle or nanocluster or nano\$1cluster or nanocluster or ((particle or grain or cluster) near5 (nanometer or nm or nano\$1meter or \$4"nm"))) same (carbon or graphite)	US-PGPUB; USPAT	OR	ON	2009/11/10 13:24
S53	25	(ruthenium or Ru) near5 (nanoparticle or nano\$1particle or nanoparticle or nanocluster or nano\$1cluster or nanocluster or ((particle or grain or cluster) near5 (nanometer or nm or nano\$1meter or \$4"nm"))) same (carbon or graphite) and @py<"2005"	US-PGPUB; USPAT	OR	ON	2009/11/10 13:24
S54	35	(ruthenium or Ru) near5 (nanoparticle or nano\$1particle or nanoparticle or nanocluster or nano\$1cluster or nanocluster or ((particle or grain or cluster) near5 (nanometer or nm or nano\$1meter or \$4"nm"))) same (carbon or graphite) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2009/11/10 13:25
S55	11	(ruthenium or Ru) near5 (nanoparticle or nano\$1particle or nanoparticle or nanocluster or nano\$1cluster or nanocluster or ((particle or grain or cluster) near5 (nanometer or nm or nano\$1meter or \$4"nm"))) same (carbon or graphite) and @py<"2006" and \$2CVD	US-PGPUB; USPAT	OR	ON	2009/11/10 13:55

S56	13	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) same2 (carbon or graphite) and @py<"2006" and \$2CVD	US-PGPUB; USPAT	OR	ON	2009/11/10 13:56
S57	13	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) same2 (carbon or graphite) and @py<"2006" and \$2CVD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/10 13:56
S58	0	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) same2 (carbon or graphite) and @py<"2006" and "\$2CVD"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/10 13:57
S59	13	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) same2 (carbon or graphite) and @py<"2006" and \$2"CVD"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/10 13:57

S60	13	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) same2 (carbon or graphite) and @py<"2006" and (\$2"CVD" or MOCVD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/10 14:02
S61	87	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) and (\$2"CVD" or MOCVD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/10 14:02
S62	29	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) and (\$2"CVD" or MOCVD) and @py<"2006"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/10 14:02
S63	1	(ruthenium or Ru) near5 (nanoparticle or nano \$1particle or nano- particle or nanocluster or nano\$1cluster or nano- cluster or ((particle or grain or cluster) near5 (nanometer or nm or nano \$1meter or \$4"nm"))) and (\$2"CVD" or MOCVD)	EPO; JPO; DERWENT	OR	ON	2009/11/10 14:13

S64	5	(ruthenium or Ru) near5 (nanoparticle or nano\$1particle or nano-particle or nanocluster or nano\$1cluster or nano-cluster or nanometer or nm or nano\$1meter or \$4"nm" or ((particle or grain or cluster) near5 (nanometer or nm or nano\$1meter or \$4"nm"))) and (\$2"CVD" or MOCVD)	EPO; JPO; DERWENT	OR	ON	2009/11/10 14:14
S65	794	((TAKASHI) near2 (GOTO)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/10 15:46
S66	54	((TEIICHI) near2 (KIMURA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/10 15:47
S67	1165	((HAJIME) near2 (SUZUKI)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/10 15:47
S68	10	((KEIICHIRO) near2 (JINUSHI)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/10 15:47
S69	0	(S65 or S66 or S67 or S68) and (ruthenium or iridium)	US-PGPUB; USPAT	OR	ON	2009/11/10 15:52
S70	10	(S65 or S66 or S67 or S68) and (ruthenium or iridium)	EPO; JPO; DERWENT	OR	ON	2009/11/10 15:52
S71	1	(S65 or S66 or S67 or S68) and (mocvd)	EPO; JPO; DERWENT	OR	ON	2009/11/10 15:57
S72	153	(ruthenium or Ru) same (carbon or graphite) same (MOCVD or CVD) and @py<"2005"	US-PGPUB; USPAT	OR	ON	2009/11/10 16:31
S73	134	(ruthenium or Ru) same (carbon or graphite) same (MOCVD or CVD) and @py<"2005" and oxygen	US-PGPUB; USPAT	OR	ON	2009/11/10 16:32
S74	31	("4927670"   "4992305"   "5130172"   "5352488"   "5403620"   "5962716"   "6002036"   "6063705"   "6207232"   "6380080"). PN. OR ("6605735"). URP.N.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/11 12:01
S75	1219	((ruthenium or ru or platinum or pt or iridium) near5 (particle or grain or cluster)) and (carbon or graphite) and CVD and py<"2004"	US-PGPUB; USPAT	OR	ON	2009/11/16 10:49

S76	147	((ruthenium or ru or platinum or pt or iridium) near5 (particle or grain or cluster) near5 (nanomet\$ or nm or \$4nm)) and (carbon or graphite) and CVD and py<"2004"	US-PGPUB; USPAT	OR	ON	2009/11/16 10:50
S77	36	((ruthenium or ru or platinum or pt or iridium) near5 (particle or grain or cluster) near5 (nanomet\$ or nm or \$4nm)) and (carbon or graphite) and CVD and @py<"2004"	US-PGPUB; USPAT	OR	ON	2009/11/16 10:53
S78	11	"5972079"	US-PGPUB; USPAT	OR	ON	2009/11/16 10:53
S79	38	((ruthenium or ru or platinum or pt or iridium) near5 (particle or grain or cluster) near5 (nanomet\$ or nm or \$4nm)) and (carbon or graphite) and (CVD or \$2CVD) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2009/11/16 10:58
S80	38	((ruthenium or ru or platinum or pt or iridium) near5 (particle or grain or cluster) near5 (nanomet \$3 or nm or \$4nm)) and (carbon or graphite) and (CVD or \$2CVD) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2009/11/16 11:00
S81	0	"09900439"	US-PGPUB; USPAT	OR	ON	2009/11/16 11:22
S82	2	"09/900439"	US-PGPUB; USPAT	OR	ON	2009/11/16 11:22
S83	13	("5249554"   "5277996"   "5427827"   "5653812"   "6015597"   "6046758"   "6054331"   "6200675"   "6468642").PN. OR ("6669996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/16 11:22
S84	2	10/169,879	US-PGPUB; USPAT	OR	OFF	2009/11/17 14:18
S85	50	gruen.in. and carbon	US-PGPUB; USPAT	OR	ON	2009/11/17 14:28
S86	0	gruen.in. and carbon and nonporous	US-PGPUB; USPAT	OR	ON	2009/11/17 14:29
S87	2	gruen.in. and carbon and non\$1porous	US-PGPUB; USPAT	OR	ON	2009/11/17 14:29



S88	671	"solid electrolyte" and iridium and ruthenium and (catalyst or catalytic) and electrode	US-PGPUB; USPAT	OR	ON	2009/11/17 15:15
S89	293	"solid electrolyte" and iridium and ruthenium and (catalyst or catalytic) and electrode and @py<"2004"	US-PGPUB; USPAT	OR	ON	2009/11/17 15:15
S90	231	"solid electrolyte" and iridium and ruthenium and (catalyst or catalytic) and electrode and @py<"2003"	US-PGPUB; USPAT	OR	ON	2009/11/17 15:16
S91	12	"solid electrolyte" and ((iridium and ruthenium) with particle) and (catalyst or catalytic) and electrode and @py<"2003"	US-PGPUB; USPAT	OR	ON	2009/11/17 15:16
S92	4	"solid electrolyte" and (((iridium and ruthenium) with particle) same electrode) and (catalyst or catalytic) and electrode and @py<"2003"	US-PGPUB; USPAT	OR	ON	2009/11/17 15:46
S93	4	"solid electrolyte" and (((iridium and ruthenium) with particle) same electrode) and (catalyst or catalytic) and @py<"2003"	US-PGPUB; USPAT	OR	ON	2009/11/17 15:46
S94	4	"solid electrolyte" and (((iridium and ruthenium) with particle) same electrode) and @py<"2003"	US-PGPUB; USPAT	OR	ON	2009/11/17 15:46
S95	184	"solid electrolyte" and ((iridium and ruthenium) same electrode) and @py<"2003"	US-PGPUB; USPAT	OR	ON	2009/11/17 15:47
S96	117	"solid electrolyte" and ((iridium and ruthenium) same electrode) and @py<"2003" and ("204". clas. or "205". clas.)	US-PGPUB; USPAT	OR	ON	2009/11/17 15:47
S97	39	"solid electrolyte" and ((iridium and ruthenium) same electrode) and @py<"2003" and ("429". clas.)	US-PGPUB; USPAT	OR	ON	2009/11/17 15:53

S98	24	"solid electrolyte" and ((iridium and ruthenium) with electrode) and @py<"2003" and ("429". clas.)	US-PGPUB; USPAT	OR	ON	2009/11/17 15:53
S99	20	"solid electrolyte" and ((iridium and ruthenium) with electrode) and @py<"2003" and ("429". clas.) and (catalyst or catalytic)	US-PGPUB; USPAT	OR	ON	2009/11/17 15:55
S100	5	"solid electrolyte" same zirconia and ((iridium and ruthenium) with electrode) and @py<"2003" and ("429". clas.) and (catalyst or catalytic)	US-PGPUB; USPAT	OR	ON	2009/11/17 16:04
S101	5	"6669996"	US-PGPUB; USPAT	OR	OFF	2009/11/18 10:52
S102	803	"amorphous carbon" with "carbon black"	US-PGPUB; USPAT	OR	ON	2010/09/16 10:41
S110	612	("amorphous carbon" with "carbon black") and "known"	US-PGPUB; USPAT	OR	ON	2010/09/16 10:44
S111	29	("amorphous carbon" with "carbon black") with "known"	US-PGPUB; USPAT	OR	ON	2010/09/16 10:44
S112	520	("amorphous carbon" near2 "carbon black")	US-PGPUB; USPAT	OR	ON	2010/09/16 10:49
S113	512	("amorphous carbon" near2 "carbon black") and form	US-PGPUB; USPAT	OR	ON	2010/09/16 10:49
S114	189	("amorphous carbon" near2 "carbon black") same form	US-PGPUB; USPAT	OR	ON	2010/09/16 10:49
S115	102	"carbon black matrix"	US-PGPUB; USPAT	OR	ON	2010/09/16 11:30
S116	2	"carbon black matrix" with amorphous	US-PGPUB; USPAT	OR	ON	2010/09/16 11:31
S117	10	"5605759"	US-PGPUB; USPAT	OR	ON	2010/09/16 11:40
S118	3804	"thermal chemical vapor deposition"	US-PGPUB; USPAT	OR	OFF	2011/04/05 14:05
S119	218	"thermal chemical vapor deposition" and carbon and ruthenium	US-PGPUB; USPAT	OR	OFF	2011/04/05 14:05

S120	29	"thermal chemical vapor deposition" and carbon and ruthenium and @py<"2005"	US-PGPUB; USPAT	OR	OFF	2011/04/05 14:19
S121	2	"thermal chemical vapor deposition" same2 carbon same2 ruthenium and @py<"2005"	US-PGPUB; USPAT	OR	OFF	2011/04/05 14:20
S122	5	"thermal chemical vapor deposition" same2 carbon same2 (ruthenium or ru) and @py<"2005"	US-PGPUB; USPAT	OR	OFF	2011/04/05 14:23
S123	2234	"electron cyclotron resonance" with ("chemical vapor deposition" or CVD)	US-PGPUB; USPAT	OR	ON	2011/04/05 14:56
S124	881	("electron cyclotron resonance" and thermal) with ("chemical vapor deposition" or CVD)	US-PGPUB; USPAT	OR	ON	2011/04/05 14:57
S125	487	("electron cyclotron resonance" and thermal) with ("chemical vapor deposition" or CVD) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/05 14:57
S126	243	("electron cyclotron resonance" and thermal) with ("chemical vapor deposition" or CVD) and @py<"2006" and carbon	US-PGPUB; USPAT	OR	ON	2011/04/05 14:57
S127	187	("electron cyclotron resonance" and thermal) with ("chemical vapor deposition" or CVD) and @py<"2006" and (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3))	US-PGPUB; USPAT	OR	ON	2011/04/05 14:58
S128	25	("electron cyclotron resonance" and thermal) with ("chemical vapor deposition" or CVD) and @py<"2006" and (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) and (Ruthenium or ru)	US-PGPUB; USPAT	OR	ON	2011/04/05 14:58

S129	30	("electron cyclotron resonance" and (thermal or "low pressure" or "atmospheric pressure")) with ("chemical vapor deposition" or CVD) and @py<"2006" and (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) and (Ruthenium or ru)	US-PGPUB; USPAT	OR	ON	2011/04/05 15:04
S130	8	("electron cyclotron resonance" same (thermal or "low pressure" or "atmospheric pressure")) with ("chemical vapor deposition" or CVD) and @py<"2006" and (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) and (Ruthenium or ru)	US-PGPUB; USPAT	OR	ON	2011/04/05 15:04
S131	953	((thermal or "low pressure" or "atmospheric pressure")) with ("chemical vapor deposition" or CVD or (chemical adj deposition) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) and @py<"2006" and (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) and (Ruthenium or ru)	US-PGPUB; USPAT	OR	ON	2011/04/05 16:14
S132	13	((thermal or "low pressure" or "atmospheric pressure")) with ("chemical vapor deposition" or CVD or (chemical adj deposition) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) same (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) same (Ruthenium or ru) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/05 16:15

S133	217	((thermal or "low pressure" or "atmospheric pressure") with ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) same (carbon) same (Ruthenium or ru) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/05 16:25
S134	130	((thermal or "low pressure" or "atmospheric pressure") with ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) same (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) same (Ruthenium or ru) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/05 16:25
S135	117	S134 not S132	US-PGPUB; USPAT	OR	ON	2011/04/05 16:27
S136	2	09/900439	US-PGPUB; USPAT	OR	ON	2011/04/05 16:59
S137	14	("5249554"   "5277996"   "5427827"   "5653812"   "6015597"   "6046758"   "6054331"   "6200675"   "6468642").PN. OR ("6669996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/05 16:59
S138	2021	((thermal or "low pressure" or "atmospheric pressure") with ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) same (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) same (diamond) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/06 10:20

S139	1277	((thermal or "low pressure" or "atmospheric pressure") with ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) with (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) same (diamond) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/06 10:20
S140	1122	((thermal or "low pressure" or "atmospheric pressure") with ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) with (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) with (diamond) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/06 10:20
S141	1113	((thermal or "low pressure" or "atmospheric pressure") near3 ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) with (carbon with (matrix or film or layer or network or deposition or depositing or coat\$3)) with (diamond) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/06 10:21

S142	669	((thermal or "low pressure" or "atmospheric pressure") near3 ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) with (carbon near3 (matrix or film or layer or network or deposition or depositing or coat\$3)) with (diamond) and @py<"2006"	US-PGPUB; USPAT	OR	ON	2011/04/06 10:22
S143	192	((thermal or "low pressure" or "atmospheric pressure") near3 ("chemical vapor deposition" or CVD or (chemical adj deposition)) or (MOCVD or \$2CVD or "organometallic CVD" or "metallorganic CVD")) with (carbon near3 (matrix or film or layer or network or deposition or depositing or coat\$3)) with (diamond) and @py<"2006" and ("427". clas. or "204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2011/04/06 10:22
S144	4	(thermal or "low pressure" or "atmospheric pressure") near3 ("chemical vapor deposition" or CVD or (chemical adj deposition)) with (carbon near3 (matrix or film or layer or network or deposition or depositing or coat\$3)) with (diamond) and @py<"2006" and ("427". clas. or "204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	ON	2011/04/06 10:23

S145	19	(thermal or "low pressure" or "atmospheric pressure") near3 ("chemical vapor deposition" or CVD or (chemical adj deposition)) with (carbon near3 (matrix or film or layer or network or deposition or depositing or coat\$3)) with (diamond) and @py< "2006"	US-PGPUB; USPAT	OR	ON	2011/04/06 10:56
S146	101	(thermal or "low pressure" or "atmospheric pressure") near3 ("chemical vapor deposition" or CVD or (chemical adj deposition)) with (diamond) and @py< "2006" and ("427". clas. or "204". clas. or "205". clas.)	US-PGPUB; USPAT	OR	ON	2011/04/06 11:02
S147	99	(thermal or "low pressure" or "atmospheric pressure") near3 ("chemical vapor deposition" or CVD or (chemical adj deposition)) with (diamond) and @py< "2006" and ("427". clas.)	US-PGPUB; USPAT	OR	ON	2011/04/06 11:02
S148	43	(thermal or "low pressure" or "atmospheric pressure") adj1 ("chemical vapor deposition" or CVD or (chemical adj deposition)) with (diamond) and @py< "2006" and ("427". clas.)	US-PGPUB; USPAT	OR	ON	2011/04/06 11:03
S149	32	"solid electrolyte" same zirconia and (((iridium or ir) and (ruthenium or ru)) with electrode) same (catalyst or catalytic) and @py< "2004"	US-PGPUB; USPAT	OR	ON	2011/04/06 13:24
S150	0	"solid electrolyte" same zirconia and (((iridium or ir) and (ruthenium or ru)) with electrode with carbon) same (catalyst or catalytic) and @py< "2004"	US-PGPUB; USPAT	OR	ON	2011/04/06 13:26



S151	2	"solid electrolyte" same zirconia and (((iridium or ir) and (ruthenium or ru)) with electrode with carbon) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/04/06 13:26
S152	2	"solid electrolyte" same zirconia and (((iridium or ir) and (ruthenium or ru)) with electrode with carbon) and @py<"2005"	US-PGPUB; USPAT	OR	ON	2011/04/06 13:26
S153	20	"solid electrolyte" and (((iridium or ir) and (ruthenium or ru)) with electrode with carbon) and @py<"2005"	US-PGPUB; USPAT	OR	ON	2011/04/06 13:27
S154	1	"solid electrolyte" and (((iridium or ir) and (ruthenium or ru)) with electrode with carbon) and @py<"2005"	EPO; JPO; DERWENT	OR	ON	2011/04/06 13:31
S155	112	"solid electrolyte" and (electrode near2 carbon) and @py<"2004"	EPO; JPO; DERWENT	OR	ON	2011/04/06 13:32
S156	17	"solid electrolyte" and (electrode near2 carbon) and @py<"2004" and (gas with (sens\$3 or detect\$3 or monitor\$3 or analy\$4))	EPO; JPO; DERWENT	OR	ON	2011/04/06 13:33
S157	22	"solid electrolyte" and (electrode near2 carbon) and @py<"2004" and ((gas or oxygen or analyte or "carbon dioxide" or "carbon monoxide") with (sens\$3 or detect\$3 or monitor\$3 or analy\$4))	EPO; JPO; DERWENT	OR	ON	2011/04/06 13:34
S159	194	MOCVD with "substrate temperature" and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/04/07 16:15
S160	42	MOCVD with "substrate temperature" and @py<"2004" and carbon	US-PGPUB; USPAT	OR	ON	2011/04/07 16:16
S161	3	MOCVD with "substrate temperature" and @py<"2004" and (carbon near2 (film or layer or deposit\$3))	US-PGPUB; USPAT	OR	ON	2011/04/07 16:17
S162	519	ruthenium same CVD same carbon	US-PGPUB; USPAT	OR	ON	2011/07/15 16:57

S163	424	ruthenium same CVD same carbon not diamond	US-PGPUB; USPAT	OR	ON	2011/07/15 16:57
S164	20	ruthenium same CVD same carbon not diamond and particle with ((diameter or size) with (nm or nanometer))	US-PGPUB; USPAT	OR	ON	2011/07/15 16:58
S165	5	ruthenium same CVD same carbon not diamond and particle with ((diameter or size) with (nm or nanometer)) and @py<"2007"	US-PGPUB; USPAT	OR	ON	2011/07/15 16:58
S166	2	09/900439	US-PGPUB; USPAT	OR	ON	2011/07/15 17:04

**EAST Search History (I nterference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S167	0	("thin film" with carbon with matrix with ( ruthenium or ru) with particle)	USPAT; UPAD	OR	ON	2011/07/15 17:11
S168	127	("thin film" with carbon with matrix)	USPAT; UPAD	OR	ON	2011/07/15 17:11
S169	22	("thin film" with carbon with matrix).clm.	USPAT; UPAD	OR	ON	2011/07/15 17:11
S170	0	("thin film" with carbon with matrix).clm. and (( ruthenium or ru) with particle)	USPAT; UPAD	OR	ON	2011/07/15 17:11
S171	2	("thin film" with carbon with matrix).clm. and ( ruthenium or ru)	USPAT; UPAD	OR	ON	2011/07/15 17:11

**7/ 15/ 2011 5:13:02 PM****C:\ Documents and Settings\ bripa\ My Documents\ EAST\ Workspaces\ 10590079.wsp**